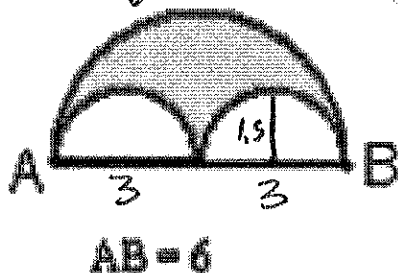


Find area of shaded region

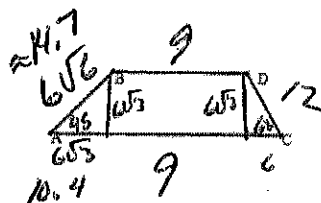


$$\frac{1}{2} 9\pi - 1.5^2 \pi$$

$$7.1 \text{ m}^2$$

$$2.25\pi$$

Bis 3

Trapezoid ABCD
m∠BAC = 45°
m∠DCA = 60°BD = 9
DC = 12
Find Area and Perimeter.A = _____
P = _____

A =

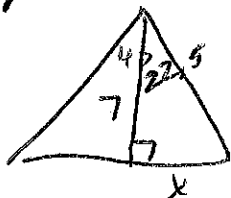
$$A = \frac{1}{2} 6\sqrt{3} (34.4)$$

$$34.4 + 12 = 46.4$$

$$A = 178.7$$

$$P = 61.1$$

Find the area of an octagon with an apothem of 7cm.



$$P = 8.5.8$$

$$46.4$$

$$\tan 22.5 = \frac{x}{7}$$

$$x = 2.9$$

$$\frac{1}{2} 46.4 \cdot 7$$

$$162.4 \text{ cm}^2$$

Rhombus CGDF
FG = 16
CD = 12DH is an altitude. Find its length.
(Remember, Area can be found 2 ways for a rhombus)

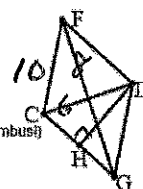
$$\text{Area} = \frac{96}{2}$$

$$\text{CG} = 10$$

$$\text{DH} = 9.6$$

$$\frac{1}{2} 16 \cdot 12$$

$$96 = 10 h$$

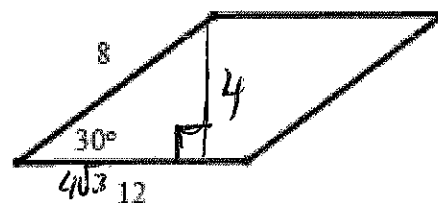


$$A = 96$$

$$\text{CG} = 10$$

$$\text{DH} = 9.6$$

4 Find m



$$= 48 \text{ m}^2$$



16 cm

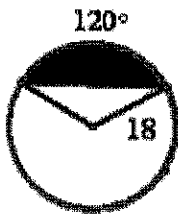
45°

24 cm

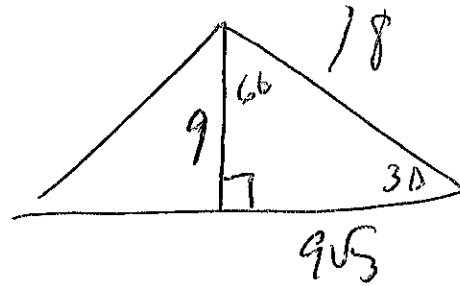
$$\frac{1}{2} 8\sqrt{2} (24 + 8)$$

$$128\sqrt{2} \approx 181.0 \text{ cm}^2$$

5



What is the probability that a point chosen at random would lie in the shaded region?



$$\frac{120}{360} 324\pi - \frac{1}{2} 9 \cdot 18\sqrt{3}$$

$$108\pi - 81\sqrt{3}$$

$$A \approx 199.0$$

$$P = \frac{199.0}{(324\pi)} \approx .20$$